

**AMENDMENTS TO THE CLAIMS:**

1. (Currently amended) A shift actuator for a transmission, ~~which actuates said shift actuator actuating~~, in a direction of shift, a shift lever for operating a synchronizing device of the transmission, the synchronizing device having a synchronizing position, ~~the said shift actuator comprising:~~

a first electromagnetic solenoid and a second electromagnetic solenoid for actuating an operation member coupled to said shift lever in ~~the~~ directions opposite to each other; ~~other~~, each of said first electromagnetic solenoid and said second electromagnetic solenoid comprising a casing, a fixed iron core disposed in said casing, a moving iron core ~~arranged to be allowed able~~ to approach, and separate away from, said fixed iron core, an operation rod mounted on said moving iron core for movement therewith to ~~engage with said move the~~ operation member, and an electromagnetic coil arranged between said casing and said fixed iron core ~~as well as said and moving iron core cores, wherein:~~

said fixed iron core and said moving iron core have opposing surfaces,

~~wherein a stepped protuberance is formed on either one of the opposing surfaces~~  
surface of one of said fixed iron core and ~~of~~ said moving iron core has a stepped protuberance formed thereon,

~~a stepped recess is formed in the other the opposing surface of the other of said fixed~~  
iron core and said moving iron core has a stepped recess formed therein to correspond to said stepped protuberance, and

~~a position at which an edge of said stepped protuberance and an edge of said stepped~~  
recess become are closest to each other ~~is so constituted as to correspond at a position~~

Serial No. 10/606,953  
Docket No. ONO.003DIV

corresponding to the synchronizing position of ~~said~~ the synchronizing device.

2. (New) A shift actuator as claimed in claim 1, wherein each of said stepped protuberance and said stepped recess has a substantially uniform diameter over the length thereof.

3. (New) A shift actuator as claimed in claim 1, wherein each of said stepped protuberance and said stepped recess is tapered over the length thereof.